

Amendments to the specification:

On page 1, line 2, please amend the heading as follows:

~~Prior-Art~~ Background of the Invention

On page 1, please amend the first paragraph as follows:

The invention relates to a method and an apparatus for detecting the motion of an element relative to a sensor apparatus, in particular for detecting the angle of rotation of a rotating element by way of a sensor[[.]] ~~in accordance with the preamble to the main claim.~~

On page 3, line 1, please amend the heading as follows:

~~Advantages~~ Summary of the Invention

On page 4, last line, please amend the heading as follows:

Brief Description of the Drawings ~~Drawing~~

On page 5, line 9, please amend the heading as follows:

Detailed Description of the Exemplary Preferred Embodiments

~~Embodiment~~

On page 9, please amend the abstract as follows:

Abstract

A method for detecting the motion of an element relative to a sensor apparatus is proposed, in which a detection of the direction of motion is performed. As a function of the direction of motion, a measurement signal is increased or decreased at predetermined measurement intervals, and only if a predetermined threshold value is exceeded is a direction-of-motion signal generated. Preferably, by means of a counting logic circuit (6), a counter is increased by a binary amount in one direction (2) and the counter (6) is decreased by a binary amount in the respective other direction (3). Upon a detection of measurement signals which as a result of being increased or decreased in a measurement interval do not lead to exceeding of the predetermined amount of the threshold value, vibration of the element is assumed.

~~(Fig. 1)~~